

ROZA, S. A.

Soils (Engineering)

Peculiarities of compacting one variety of sandy moraine soil. Gidr. stroi. 21, No. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

ROZA, S.A., doktor tekhn.nauk

Initial pressure head gradient in the seepage of water through
concrete. Gidr.stroi. 31 no.6:40-41 Je '61. (MIRA 14:6)
(Hydraulics)

1. ROZA, S. A.; POPOV, B. P.; PRIKLONSKIY, V. A.

2. USSR (600)

4. Soil Mechanics

7. Soil mechanics. N. A. TSytovich. Reviewed by V. A. Priklonskiy, S. A. Roza,
B. P. Popov. Izv. AN SSSR. Otd. tekhn. nauk. No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

ROZA, S. A.

Peat

Installation of water conduit and sewerage systems in peat. Stroi. prom. 30 no. 3, 1952.

Monthly List of Russian Accessions. Library of Congress, August 1952. UNCLASSIFIED.

ROZA, S. A.

Sanitary Engineering

Installation of water conduit and sewerage systems in peat. Stroi. prom. 30 no. 3, 1952.

Monthly List of Russian Accessions. Library of Congress, August, 1952. UNCLASSIFIED.

ROZAC, Marijan

Organization and achievements of the Trade Union of Paper. PTT
zbor 16 no.6:166-167 Je '62.

ROZACI, O.

Distr: 4E2c(j)

Polarographic determination of rubber accelerators.

Rozaci (Inst. Chemotechnol. Gottwaldov, Czech.).

Plasie u. Kautschuk 6, 338-8 (1959). Accelerators of the thiazole, thiuram, and dithiocarbamate types were detd. A new polarographic cell was constructed and used for the detns. at const. temps. of 2-mercaptobenzothiazole, dibenzothiazolyl disulfide, N-cyclohexyl-2-benzothiazolesulfenamide, 2,4-dinitrophenylthiobenzothiazole plus diphenylguanidine, and tetramethylthiuram disulfide. These were best detd. by using $N H_2SO_4$ in MeOH as electrolyte with a concn. of 50-1000 mg. compd./l. solvent. Zn diethyldithiocarbamate and Zn phenylethyldithiocarbamate were best detd. in 0.1N NaOH in MeOH buffered to pH 11 with borate. For detn. in rubber, 1 g. finely-cut sample was extd. for 8 hrs. with Me_2CO or CH_2Cl_2 , the solvent evapd., the residue dissolved in pyridine, and the detn. carried out as above. Impurities in and reaction products of accelerators can be detd. in this manner.

Roland E. Kreibich

C9A

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and their H
Applications. Caoutchouc, Natural & Synthetic. Rubber.

Abs Jour : R Zh Khim., No 12, 1959, No 44329

Author : Rozaci, O

Inst : Not given

Title : Polarographic Determination of Free Sulfur in Rubber and
in Chemicals of Rubber Mixtures.

Orig Pub : Chem. promysl, 1958, 8, No 7, 385-387

Abstract : For greater accuracy in determining free S in an acetone
extract of rubber (according to Proske and others), the
use is suggested of a composition of 5 ml pyridine S so-
lution, 10 ml 0.3 M solution of NH_4 acetate in glacial
drops of a 1 percent genatin solution of acetic acid. -
M. Lur'e

Card : 1/1

ROZAEANU, L.; PRECOTESCU, O.

Classification of motor lubricants according to viscosity, p. 401

Academia Republicii Populare Romine. Institutul de Mecanica Aplicata.

STUDII SI CERCETARI DE MECANICA APLICATA. Bucuresti. Vol. 6, no. 3/4,

July/Dec. 1955.

So. East European Accessions List

Vol. 5, No. 9

September, 1956

ISKENDEROV, Akhmed Akhmedovich; KISELEV, Vladimir Ivanovich;
ROZALIYEV, Yuriy Nikolayevich; DAVYDOVA, Yu.F., red.;
ATROSHCHENKO, L.Ye., tekhn. red.

[Labor movement in Asia and Africa] Rabochee dvizhenie v
Azii i Afrike. Moskva, Izd-vo "Znanie," 1963. 32 p. (No-
voe v zhizni, nauke, tekhnike. 1 Seriya: Istoriia, no.18)
(MIRA 16:11)

(Asia--Labor and laboring classes)
(Africa--Labor and laboring classes)

BINIECKI, Stanislaw; IZDEBSKI, Jozef; ROZALSKA, Irma

Synthesis of some β -diethylaminoethylamino- and of some carbethoxyamino derivatives of isoquinoline. Acta pol. pharm. 19 no.5:437-441 '62.

1. Z Zakladu Nowych Lekow Instytutu Lekow w Warszawie.
(QUINOLINES) (CHEMISTRY, PHARMACEUTICAL)

WOLANSKI, M., Inz.

Y-type ferrite circulators on a band line. Przegl telekom
37 no.3:93-95 Mr '65.

CHETAYEV, Nikolay Gur'yevich; ROZAL'SKAYA, N.I., red.

[Stability of motion] Ustoichivost' dvizheniya. izd.3.
Moskva, Nauka, 1965. 207 p. (MIRA 18:12)

VORONKOV, Ivan Mikhaylovich; ROZAL'SKAYA, N.I., red.

[Course in theoretical mechanics] Kurs teoreticheskoi
mekhaniki. Izd.11. Moskva, Nauka, 1964. 596 p.
(MIRA 19:1)

ROZALSKI, Julian, inz., arch

The humidity of external walls in buildings from light stones and evaluation of the existant method of investigating the frost resistance of stones. Biul inform inst techn bud no.9:5-20 '61

ROZAL'YEV, G.A.

ZIL-500 rotary bucket excavator. Ser. zhur. no. 6:54 Je '60.
(MIA 12:1)

1. Glavnyy inzhener Zuyevskogo litsejno-mekhanicheskogo zavoda.
(Excavating machinery)

MOISEYEV, P.; ROZALIYEV, Yu.

"Turkey; economics and foreign trade" by V.P. Smirnov. Reviewed by P. Moiseev and Yu. Rozaliev. Vnesh. torg. 27 no.2:37-38 '57.
(Turkey--Economic conditions) (Turkey--Commerce) (MIRA 10:4)
(Smirnov, V.P.)

ROZALIYEV, Yuriy Nikolayevich; MOISEYEV, P.P., redaktor; FRIDMAN, L.A.,
redaktor; MARKUNI, Ye.V., tekhnicheskii redaktor.

[Situation of the industrial proletariat in Turkey after the
Second World War] Ocherki polozheniia promyshlennogo proleta-
riata Turtsii posle Vtoroi Mirovoi voyny. Moskva, Izd-vo Aka-
demii nauk SSSR, 1956. 206 p. (MLRA 9:6)
(Turkey--Labor and laboring classes)

BELOTSERKOVSKIY, Sergey Mikhaylovich; ROZAL'SKAYA, N.I., red.

[Thin lifting surface in a subsonic gas flow] Tonkaia
nesushchaia poverkhnost' v dozvukovom potoke gaza. Mo-
skva, Nauka, 1965. 242 p. (MIRA 18:4)

ROZANUKHAMEDOVA, A. Yu.

"Some properties of vegetative hybridization of grain and legumes."
Kazakh State U imeni S. M. Kirov. Alma-Ata, 1956.
(Dissertation for the Degree of Candidate in Biological
Sciences).

SO: Knizhnaya letopis', No. 16, 1956

ROZAN, J.

A simple apparatus for determining technological properties of paint materials and paints according to G. Garmsen.

P. 623. (CHEMICKY PRUMYSL) (Praha, Czechoslovakia) Vol. 7, no. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

ROZAN, J.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application, Part 4. - Varnishes, Paints,
Paint Coatings.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72554.

Author : Josef Rozan.

Inst :

Title : Simple Appliances for Testing Technological Properties
of Varnishes and Paint Coatings According to Garmsen.

Orig Pub: Cem. prumysl, 1957, 7, No 11, 623-625.

Abstract: Simple appliances for the determination of the
pigment dispersion degree, tendency to local accumula-
tion, rate of drying of coatings protecting from dust,
content of dry substances in films, for measuring the
thickness of soft coatings, etc. are described.

Card : 1/1

83844

Z/009/60/000/010/005/003

E112/E353

Chemical Resistance of Non-modified Epoxy-resins

sulphuric acid, 5% nitric acid, 15% sodium carbonate, 30% potassium hydroxide, 5% sodium chloride, 15% sodium bisulphite. Hot-cured epoxy-resin PGA 40 was included in the tests as comparative standard. Strongest corrosive action on cold-hardened epoxy films was exerted by acids, particularly 8% acetic acid. Practically no corrosion was noticed even after 20 days with sodium chloride, carbonate or bisulphite. Epoxy-resins hardened with diethylenetriamine generally displayed improved chemical resistance, with the exception of resin 1/4, where the ratio of bis-phenole:epichlorhydrine was 1:1.4 and which showed better stability if hardened with amino-amido resins. As a rule, chemical resistance increases with increased molecular weight. The high-temperature cured epoxies are marked by good resistance to all the tested reagents, with the exception of HCl and NaCl, which after 20 days of exposure caused a corrosion of 20% of the exposed areas. Results of corrosion tests on steel plate, carried out according to DIN 55210 are tabulated. Best resistance was shown by heat-cured

Card 2/4

83844

Z/009/60/000/010/003/003

E112/E353

Chemical Resistance of Non-modified Epoxy-resins

epoxy-resin PGA 40 and non-modified epoxy-resin with the highest molecular weight (3200 to 4400), hardened with diethylenetriamine. The corrosive action on non-modified epoxy-resins was found to decrease in the following order:

$\text{CH}_3\text{COOH} > 5\% \text{HCl} > 5\% \text{H}_2\text{SO}_4 > 32\% \text{H}_2\text{SO}_4 > 5\% \text{HNO}_3 > 30\% \text{KOH} > 5\% \text{NaCl} > 15\% \text{NaHSO}_3 > 15\% \text{Na}_2\text{CO}_3$. Where chemical attack

occurred it was due to the formation of corrosion by-products, with the exception of acetic acid, which causes film destruction prior to corrosion. Results of chemical resistance tests on films applied to glass tubings are also tabulated. Most destructive action is again shown by acetic acid, to which only PGA 40 is resistant. Films from resin 1/4, hardened with amino-amide resins had good stability in solutions of alkalis, NaCl and NaHSO_3 .

Card 5/4

83844

Z/009/60/000/010/003/003
E112/E353

Chemical Resistance of Non-modified Epoxy-resins

There are 1 figure, 3 tables and 8 references: 4 English,
3 German and 1 Czech.

ASSOCIATION: Vysoká škola chemicko-technologická, Pardubice
(University of Chemical Technology, Pardubice)

SUBMITTED: March 15, 1960

Card 4/4

ROZAN, J.

Lectures on new raw materials for paint manufactured in Western Germany.

P. 626. (CHEMICKY PRUMYSL) (Praha, Czechoslovakia) Vol. 7, no. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

HOZAN, J.

Preparing roads for winter traffic. p. 399. CESTE I MOSTOVI. Zagreb.
Vol. 3, No. 10, Oct. 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 2, Feb. 1956

ROZAN, Joset

The esters of titanium in lacquer techniques. Joset
Rozan. *Chimie* (Prague) 4, 177-86 (1968).—R. discusses
the prepn. of Et, Bu, Am, Ph. and cro-yl titanates which in
thin films are more effective than silicones in protecting surfaces
at elevated temps. Frank Marsh

26

CA

The esters of titanium in lacquer techniques. Josef
Rožan. *Chemie (Prague)* 4, 179-80 (1948).—R. discusses
the prepn. of Et, Bu, Am, Ph, and cresyl titanates which in
trials are more effective than silicones in protecting surfaces
at elevated temps. Frank Maresh

1952

ROZAN, Josef; JARUSEK, Jaroslav; CIHELKA, Karel

Study of the effect of high temperatures on the destruction of
varnish coatings. Sbor vSChT Pardubice no.1:189-204 '64.

1. Chair of Technology of Plastics of the Higher School of
Chemical Technology, Pardubice. Submitted November 4, 1963.

ROZAN, Josef

"Systematic quantitative analysis of inorganic pigment mixtures"
by [dr. inz.] Erich Hezel. Reviewed by Josef Rozan. Chem prum 14
no.7:393 J1 '64.

1. Higher School of Chemical Technology, Pardubice.

ROZANBIAT, M.S.

Result of the application of tibone in pulmonary and laryngeal tuberculosis. Vest. otorinolar., Moskva 14 no.6:79 Nov-Dec 1952.
(CIML 23:4)

1. Of the Phthisiolaryngological Division of Odessa Scientific-Research Institute of Tuberculosis.

STEPANOV, B.I.; ROZANEL'SKAYA, N.A.; TRAVEN', V.F.

Substitution of the halogen in azo compounds. Part 5:
Effect of the nature of metal. Zhur.ob.khim. 32 no.11:3737-3741
N '62. (MIRA 15:11)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni
D.I. Mendelyeva.

(Salts) (Azo compounds) (Halogens)

ROZANEL'SKAYA, N.A.; STEPANOV, B.I.

Substitution for the halogen in azo compounds. Part 13: Substitution of alkoxy and aroxy groups for the chlorine atoms of disazo dyes from 3,3'-dichlorobenzidine and the synthesis of 4,4'-diamino-3,3'-dioxybiphenyl ethers. Zhur. ob. khim. 31 no.3:758-764 Mr '61. (MIRA 14:3)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D. I. Mendeleyeva.
(Ethers) (Substitution (Chemistry))
(Azo compounds)

KOCHIN, Nikolay Yevgrafovich; KIBEL', Il'ya Afanas'yevich; ROZE,
Nikolay Vladimirovich; ROZAL'SKAYA, N.I., red.; MIKHLIN,
E.I., tekhn. red.

[Theoretical hydromechanics] Teoreticheskaya gidromekha-
nika. Pod red. I.A.Kibel'ia. Moskva, Fizmatgiz. Pt.1. Izd.6.
ispr. i dop. 1963. 583 p. Pt.2. Izd.4., perer. i dop.
1963. 727 p. (MIRA 16:10)

(Fluid mechanics)

ROZANEK, Frantisek, inz.; MIKOVEC, Miroslav, inz.; PODANY, Svaton

Finishing with a broad-nose lathe tool. Stroj vyr ll no.8:
379-381 Ag '63.

1. Zavody V.I. Lenina, Plzen (for Rozanek).
2. Vyskumny ustav obrabecich stroju a obrabeni, Praha (for Mikovec).
3. Prerovske strojirny, Prerov (for Podany).

STRNAD, Miroslav; HOLECKOVA, Rut; ROZANEK, Pavel; STAROSTA, Vladimir;
SEBESTA, Josef; STURSA, Vladimir; VOJTEK, Jaroslav

A method for the diagnosis of new cases and recurrence of
tuberculosis. Sborn. ved. prac. lek. fak. Karlov. univ.:
Suppl. 8 no.5:577-582 '65.

Age, occupation and social factors in severe tuberculoses.
Ibid.:583-587

Resistance problems in Mycobacteria tuberculosis and the
treatment of severe tuberculosis with secondary antituber-
cular agents. Ibid.:589-592

Some cases of severe tuberculosis escaping early diagnosis.
Ibid.:593-598

1. Tbc oddeleni v Nachanicich (prednosta MUDr. J. Sebesta).

ROZANIC, Igor, ing. (Rijeka).

Statistical control of the welder. Zavarivanje 3 no.1:15-20 Ja '60.

1. Brodogradiliste "3 maj", Rijeka.

ROZANIY, Ye.V.

SOV/68-58-8-12/28

AUTHORS: Deshalit, G.I., Soldatenko, I.S. and ~~Rozaniy~~, Ye.V.

TITLE: Production of Coarse Crystalline Ammonium Sulphate
(Polucheniye ukрупnennoy soli sul'fata ammoniya)

PERIODICAL: Koks i Khimiya, 1958, Nr 8, pp 33 - 34 (USSR)

ABSTRACT: The negative influence of trivalent iron present in the mother liquid on the size of the ammonium sulphate crystals obtained was demonstrated in the laboratory and industrial experiments. In the industrial experiments, the reduction of trivalent iron was carried out by intermittent additions (every hour) of 1 litre of hyposulphite solutions (10%) to the circulating vessel. The duration of the experiment was 6 shifts. A marked improvement in the size distribution of the sulphate produced was obtained (the proportion of 0.5-0.25 mm fraction increased from about 30 to over 50%). There are 3 tables.

Card 1/2

Production of Coarse Crystalline Ammonium Sulphate

SOV/68-58-12/28

ASSOCIATION: Khar'kovskiy politekhnicheskii institut (Kharkov Polytechnical Institute) and Kharkovskiy kokso-khimicheskii zavod (Kharkov Coking Works)

card 2/2

1. Ammonium sulfate crystals--Production
2. Iron--Reduction
3. Thiosulfates--Applications

RUSSIAN, R. I.

Tobacco Manufacture and Trade

Our wishes. Tabak 13 no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

ROZANOV A.

"III Vsesoyuznoye soveshchaniye po geologorazvedochnym rabotam na ugli i goryuchiye slantsy," p. 38,

Goryuchiye Slantsy, No. 2, 1932.

LENDZION, K.; MIKHNYAK, R. [Michniak, R.]; ROZANOV, A.

Lithostratigraphic correlation of the late Pre-Cambrian and Lower Cambrian of the Swietokryzskie Mountains and northwestern part of the Russian Platform. Izv. AN SSSR. Ser. geol. 30 no.8:85-96 Ag '65. (MIRA 18:9)

1. Geologicheskii institut Tsentral'nogo upravleniya geologii Pol'shi, Varshava, Institut geologii Pol'skoy Akademii nauk, Varshava i Geologicheskii institut AN SSSR, Moskva.

ROZANOV A. (PROF.)

"Vozmozhno li otkrytiye v Zavolzh'ye k severu ili k severozapadu ot Obshchego
Syrta mestorozhdeniy goryuchikh slantsev krupnogo promyshlennogo znacheniya", p. 66

Goryuchiye Slantsy, No 5-6, 1932

ROZANOV, A.

New information on the genetics and the improvement of Soviet Solonetz soils.
Tr. from the Russian. p. 271.
(KOZLEMEYEI. Vol. 11, no. 1/4, 1957. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

Ref Zhur-Khimiya, No 6, 1958, 16707
USSR/General Problems. Methodology. History. Scientific A
Institutions and Conferences. Teaching. Problems
of Bibliography and Scientific Documentation.

Abs Jour : Ref Zhur-Khimiya, No 6, 1958, 16707

Author : Klimovskiy I., Rozanov A.

Inst : Not given

Title : Development in the Science of Cheese Manufacturing

Orig Pub : Molochn. Prom-st', 1957, No 11, 49-51

Abstract : Brief report on the scientific research institutes
(USSR), their development and activities.

Card 1/1

ROZANOV, A.; ~~SAHOV, D.~~

TECHNOLOGY

Periodical: REVISTA INDUSTRIEI ALIMENTARE. PRODUSE ANIMALE. No. 1,
1958.

ROZANOV, A.; ~~SHAOV, D.~~, Assembly-line methos for the production of cheese.
p. 26.

Monthly List of East European Accession (EEAI), LC., Vol. 8, No. 3,
March 1959, Unclass.

ROZANOV, A.

Beauty and concrete. Znan.sila 35 no.6:20-23 Je '60.
(Concrete) (Sculpture) (MIRA 13;7)

ROZANOV, A.

Glavnyi Turkmenskii kanal. [The Main Turkmen Canal]/. (Pochvovedenie, 1950, no. 11).
DLC: S590.P6

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

ALEKSEYEV, V.M.; KOZHEVNIKOV, I.N.; LEBEDEVA, K.S.; MAKAR'IN,
A.M.; MANENKOVA, A.I.; NIKOLAYEV, A.M.; ROZANOV, A.A.

[Technological instructions for the production of cheese]
Tekhnologicheskie instruktsii po proizvodstvu syra. Ut-
verzhdeny VSNKh. 2. izd. Moskva, TSintipishcheprom,
1963. 161 p. (MIRA 18:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut maslodel'-
nyy i syrodel'noy promyshlennosti.

ROZANOV, A.A., inzh.; CHIZHOV, A.T., inzh.; ULANTSEV, I.D., inzh.

Manual on the mechanization of ballasting. Transp.stroi. 13 no.9:
73-74 S '63. (MIRA 16:12)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
12 New methods of bacteriological control in the production of butter. A. A. Rozanov and E. P. Konopleva. <i>Molochkay Prom.</i> 3, 18-20(1936); <i>Chem. Zentr.</i> 1937, I, 3565. —The <i>reductase</i> test is made as follows: To 0.5 cc. methylene blue soln. is added 5 cc. of butter melted at 40°, the mixt. allowed to stand at 38-40°, and the time required for decolorization noted. If this is more than 7 hrs., less than 1×10^6 bacteria are present; if it is less than 5 hrs., more than 5×10^6 are present. The <i>bisulfit</i> no. is obtained from the no. and activity of the lactic acid bacteria as follows: To 10 cc. of sterile skim milk is added 1 cc. of butter. After the mixt. has stood 18 hrs. at 30° the degree of acidity is detd. W. A. Moore																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
SUBJECT INDEX																										AUTHOR INDEX																									
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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSING AND PROPERTY INDEX																										MATERIALS INDEX																									
<i>Testing objective methods for judging the quality of butter and its keeping qualities. A. A. Rozanov. Moloch-maya Prom. 4, No. 3, 15-16 (1937). Chem. Zentr. 1937, II, 3830-1. The catalase no. was detd. according to the Russian standard method as follows: 2 g. of butter was melted at 40°, mixed with 50 cc. water of the same temp., and cooled to 25°. Duplicate samples were so treated. To one was added 10 cc. 3% H₂O₂, the mixt. was stirred and allowed to stand 2 hrs. at 25°. Both samples were acidified with 5 cc. 10% H₂SO₄ and titrated with 0.1 N KMnO₄ to a faint pink. The no. of cc. difference between the 2 titrations represents the catalase no. when calcd. for 100 g. butter. Sweet-cream butter 3-7 days old which showed a catalase no. greater than 25 was found to be no longer unobjectionable in taste. This generalization, however, did not hold for all specimens, 12-15% being exceptions. The keeping qualities of 3-7-day-old butter could be predicted to a certain degree by the catalase no., although here also the relationship is not invariable. In any case, the catalase no. cannot be used as an objective criterion of the keeping qualities of butter. The catalase no. for unsalted sweet-cream butter is much higher, the av. value for 11 specimens being 45 (10-115). The increase in the catalase no. of the butter during storage is due to quant. changes in the microflora, most of which are detrimental. The reductase no. was detd. according to Komopleva (Rozanov and K., C. A. 32, 9314). There is no striking relationship between the quality of the flavor of the butter and the reductase no. However, a decolorization period of less than 5 hrs. is usually characteristic of butter of inferior taste. The reductase no. of unsalted sweet-cream butter is lower than that of the salted product, the av. value obtained being 4.41 (2.45-7.24). The change in the reductase no. over a month is not great. Detn. of the bio-acid no.: 1 cc. of butter, melted at 40° was mixed with 10 cc. of sterile milk</i>																																																			
SEE OTHER SIDE																																																			
ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION																																																			

12

Determination of the oxidation number of butter plasma.
A. A. Rozanov and V. P. Lebedev. *Molochnaya Prom.*
4, No. 4, 11-12 (1937); *Chem. Zentr.* 1938, 1, 1030. - To
the butter specimen in the butyrometer is added 20 cc.
H₂SO₄ (d. 1.6). It is then melted on the water bath at
100° and centrifuged. Five cc. of the dild. plasma is then
added to 50 cc. distd. water and 5 cc. H₂SO₄ (1.3), some
pieces of capillary tubing are placed in the flask, the whole
is heated to boiling and after the addn. of 10 cc. 0.01 N
KMnO₄ boiled for 10 min. Then 10 cc. of 0.01 N oxalic
acid is added and the soln. titrated with KMnO₄. The no.
cc. KMnO₄ used $\times 1.633$ = the O consumption of 1 g. of
butter. W. A. Moore

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

12

CA

A portable laboratory for the analysis of milk. A. A. Rozanov. *Molochno-Mashdel'naya Prom.* 1939, No. 3, 18-19. *Khimiya Referat. Zhur.* 1939, No. 7, 60. W. R. Henn

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

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COMMON ELEMENTS

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12

Determination of the water content in cheese. A. Rozanov and G. Karamina. *Molochkovy Prom.* 7, No. 8, 11-12(1940); *Chem. Zentr.* 1941, II, 1450. The following methods for the detn. of the water content of cheese were tested: (I) drying the sample of cheese in sand at 130° for 1 hr., (II) drying in sand at 160-5° for 20 min., (III) drying in sand at 160-5° for 40 min., (IV) drying in fat over an alc. burner, (V) drying in fat over an alc. burner with the addn. of dried NaCl and (VI) distn. in a Dieu-Stark app., which is a volumetric method. Methods I, II and IV were found to be inaccurate, with the first 2 giving low values and method IV giving values which deviated in both directions. Method VI gave fairly accurate results although it consumed too much time. Methods III and V are reported as satisfactory. M. G. Moore

ASME-SLA METALLURGICAL LITERATURE CLASSIFICATION

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93TH CODE

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97TH CODE

98TH CODE

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44

PROCESSES AND PROPERTIES INDEX

Lactose production technology. A. Rozanov. *Molok-
naya Prom.* 9, No. 9, 10-21 (1918). The details of tech.
production of lactose are given. The fluid of the sour
milk is warmed to 90-2° and acidified to pH 4.5-4.8 for
deproteinization (20% CaCl₂ or 10% Ca(OH)₂ can
be used). The soln. is evapd., preferably in vacuum
evaporators, best to 48-57% total solids at 70°, or to
somewhat higher solids at 60°. Deformers (tech. org.
acids) can be added during evapn. Crystn. is best done
over 35 hrs. at 10° and the product isolated by centrifug-
ing, which after cold water washing gives a product with
0.16-0.27% protein. G. M. Kosolapoff

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX									
12 CT Tablet chemical for plant laboratories. A. Buzanov. <i>Molochkova</i> Prom. 10, No. 1, 23-4 (1949). — Tablets of $K_2Cr_2O_7 \cdot NaCl$, 0.4 g. each, are convenient for preservation of milk samples (100 ml.) and are effective for 13 days at 18-24°. Methylene blue solns. in H_2O can be stored for 60 days if the original 5% soln. is let stand 3 days, filtered, brought to b.p. and stored in closed vessels; stable tablets are made from 5% methylene blue, 45% potato starch and 60% $NaCl$. Similarly convenient are rennet-$NaCl$ tablets (1:4.3 ratio; 0.3 g. each) for detn. of milk quality. G. M. Kosolapoff										12									
ASTM-11A METALLURGICAL LITERATURE CLASSIFICATION										ASTM-11A METALLURGICAL LITERATURE CLASSIFICATION									

CA

12

Increasing the yield of lactose. A. Rozanov. *Molokho-
saya Prom.* 11, No. 6, 15-18(1950).— The losses of lactose
occur in clarification of the soln., crystn., and centrifuging.
The use of rational mech. methods at these steps can give
up to 60% yields, or up to 67% if the molasses are also
worked. G. M. Kosolapoff

ROZANOV, A. A.

Rozanov, A. A.: Rukovodstvo po proizvodstvu mo-
lochezh (Handbook for Lactose Production).
Moscow: Pishchepromizdat. 1983. 67 pp.

Technology

Technical and chemical control in cheese
factories, Moskva, Pishchepromizdat, 1952

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

ROZANOV, A.

Feed Water Purification

Softening water by means of cation exchange. Mol. prom. 13, No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953, Uncl.
2

ROZANOV, A.

~~Factors determining the quality of cheese.~~ Moloch.prom. 18 no.3:6-
8 '57. (MLRA 10:4)

1. Vsesoyuznyy nauchno-issledovatel' skiy institut maslodel'noy
i syrodel'noy promyshlennosti.
(Cheese)

ALEKSENKO, G.V.; BIRYUKOV, V.G.; BORISENKO, N.I.; BORUSHKO, V.S.; KOVALEV, N.N.;
KOSTENKO, M.P.; OBOLENSKIY, N.A.; PETROV, G.N.; ROZANOV, A.A.;
SKIDANENKO, I.T.; TIMOFEYEV, P.V.; CHILIKIN, M.G.; SHERMET'YEVSKIY, N.N.

Professor Andronik Gavondovich Iosif'ian, 1905- ; on his 60th
birthday. Elektrichestvo no.9:88 S '65.

(MIRA 18:10)

ROZANOV, Arkadiy.

Sunny nights. Zdorov'ie 7 no.1:25-26 Ja '61.
(DUDINKA—SOCIAL CONDITIONS)
(NORILSK—SOCIAL CONDITIONS)

(MIRA 13:12)

ACC NR: AP/002425

SOURCE CODE: UR/0051/66/021/006/0761/0762

AUTHOR: Rozanov, A. G.; Cheburkin, N. V.; Shvindt, N. N.

ORG: none

TITLE: Measurement of the electron concentration in a pulsed xenon discharge with the aid of a gas laser

SOURCE: Optika i spektroskopiya, v. 21, no. 6, 1966, 761-762

TQPIC TAGS: laser application, gas laser, gas discharge, xenon, discharge plasma, plasma density, helium, neon, laser

ABSTRACT: The authors constructed for the measurements the laser interferometer first proposed by H. Kogelnik and D. Ratel (Proc. IRE v. 50, 2365, 1962). The operation and theory of the interferometer are briefly reviewed. An He-Ne laser operating simultaneously at 0.63 and 3.39 μ was used in conjunction with an experimental plane flash lamp filled with xenon at 400 mm Hg. The per unit energy in the lamp was 90 J/cm³ and the interferometer sensitivity was 8.3×10^{16} cm⁻³ per modulation peak. The results of measurement of the plasma density at different points of the discharge indicate that the discharge channel is completely filled. This was confirmed by direct photography of the discharge. The laser beam modulation of the plasma (number of modulation peaks) was constant from flash to flash. The time variation of the plasma density is similar to the variation of the discharge current. The maximum density, corresponding to maximum current, is 7×10^{17} cm⁻³. The corresponding temperature at the maximum (calculated using the Saha formula) is 9500K, and the degree of ionization is 5.4%. Orig. art.

UDC: 537.523/.527

Card 1/2

ACC NR: AP7002425

has 3 figures and 4 formulas.

SUB CODE: 20/ SUBM DATE: 04Sep65/ OTH REF: 003/ ATD PRESS: 5113

Card 2/2

IVANENKOV, V.N.; ROZANOV, A.G.

Hydrogen sulfide contamination of intermediate layers in the
Arabian Sea and the Bay of Bengal. Okeanologiya 1 no.3:443-
449 '61. (MIRA 16:11)

1. Institut okeanologii AN SSSR.

ROZANOV, A.G.

Distribution of phosphates and silicic acid in the water of
the northern part of the Indian Ocean. Trudy Inst. okean. 64:
102-114 '64. (MIRA 17:7)

ROZANOV, A.G.; BYKOVA, V.S.

Distribution of nitrates and nitrites in the water of the
northern part of the Indian Ocean. Trudy Inst. okean. 64:94-101
'64. (MIRA 17:7)

ROZANOV, A.I.; KHODZHAYEVA, N.K.

Equipment for an information storage and retrieval system on
cards with perforated borders. NTI no.8:51-52 '64. (MIRA 17:12)

BOZANOV I. I.

Some Characteristics of Cultivation-Irrigation Salinents", Pochvovedeniye, No 12, 1948
(710-714)

SO: U-3430, 11 Mar 1953

SOV/124-58-11-12451

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 72 (USSR)

AUTHOR: Rozanov, A. K.

TITLE: An Experimental Investigation of the Magnitude of the Axial Force Exerted on the Impellers of Centrifugal Fans (Eksperimental'noye issledovaniye velichiny osevogo usiliya, vznikayushchego na kolesakh tsentrobezhnykh ventilyatorov)

PERIODICAL: V sb.: Prom. aerodinamika. Nr 9. Moscow, Oborongiz, 1957, pp 74-90

ABSTRACT: For a correct selection of fan bearings it is necessary to know the axial force. Well-known formulae for the determination of the axial force of a fan, which were developed on the basis of simplified concepts relative to the physical nature of the phenomena, lead to a considerable discrepancy when compared with the actually prevailing forces. The author conducted an experimental investigation on a number of fans and established that the magnitude of the axial force is influenced by a number of factors, including the radial gap between the shaft and the back wall of the housing, the distance between the back of the impeller and the wall of the housing, the gap in the packing

Card 1/2

SOV/124-58-11-12451

An Experimental Investigation of the Magnitude of the Axial Force (cont.)

between the inlet-duct transition and the face of the impeller, and the fluctuations in the resistance of the inlet- and exhaust-duct networks. The stated factors also influence the total-pressure rise ratio H , which is illustrated by a series of graphs for certain types of fans, although no concrete suggestions in regard to developing a more precise method of calculation of the axial force are given, inasmuch as the experimental investigations are still insufficient. For typical fans the author recommends tentatively the use of the above-mentioned graphs. For all the other types of fans he recommends the use of the TsAGI (Central Aero-hydrodynamic Institute) formula, with corrections applied thereto on the basis of experimental values for similar types of fans.

M. I. Vostrikov

Card 2/2

ROZANOV, A.K.

Experimental investigation of the value of axial stresses
originated in impellers of centrifugal ventilators. Prom.aerodin.
no.9:74-90 '57. (MIRA 10:12)
(Fans, Mechanical) (Aerodynamics)

ROZANOV, A.N.

Notes on soils made during travels in Iran. Pochvovedenie no.7:
61-68 J1 159. (MIRA 12:11)

1. Pochvonnyy institut im. V.V. Dokuchayeva AN SSSR.
(Iran--Soils)

ROZANOV, Andrei Mitrofanovich.

Technique and practice of glider piloting; textbook. Moskva, Gos. veon, izd-vo, 1935.
(Mic 55-3115)

Collation of the original: 239 p.

Microfilm Slavic 340 AC

1. Gliders (Aeronautics)

ROZANOV, A.N.

[Thoracoscopy and thoracocautery in pulmonary tuberculosis] Torakoskopiia
i torakokaustika pri tuberkuleze legkikh. Moskva, Medgiz, 1949. 170 p.
(MLRA 6:10)
(Tuberculosis) (Cautery)

ROZANOV, A. N.

35500. Anatomo-topograficheskiye otnosheniya k pleural'noy polosti v svete operatsii yakobseusa. V SB: Voprosy grudnoy khirurgii. T. III. I., 1949, c. 187-90.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

ROZANOV, A. N.

Automobile Industry - Accounting

Normative method of calculating production costs. Avt. trakt. prom. no. 3, 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

Some properties of triple β -solid solutions of...

S/137/62/000/007/057/072

A160/A101

quickly decrease at testing temperatures $> 500^{\circ}\text{C}$. Tests at 550°C and $\sigma_9 - 10.5$ kg/mm² revealed that the creep rate does not exceed $5 \cdot 10^{-5}$ hour⁻¹. The smelting point of the 15% Nb+10% Mo alloy equals 1640°C , and it decreases to 1525°C when adding 0.5% Fe, Cu, Ni, Ag. The coefficient of the linear expansion in the temperature range of $100 - 800^{\circ}\text{C}$ equals $6.5 \cdot 10^{-6}$ degrees⁻¹. At 500°C , the coefficient of the heat conductivity is estimated at 0.2 watt/ohm.degree (somewhat higher than for the non-alloyed Zr).

L. Gomozov

[Abstracter's note: Complete translation]

Card 2/2

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<i>Ca</i> the influence of calcium sulfide on the percolation of water through the soil. A. N. ROZANOV. <i>Pochvennaya</i> 24, No. 3-4, 34-36 (in German 35 0) (1920).--Expts. with CaS as a coagulating agent on heavy clay soils have shown that when applied as the salt it is more effective than $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ as measured by the percolation of water. Applications of CaS also decrease the alk. of the soil and increase the SO_4 content and CaO. Adsorption expts. with mastic have shown that the Ca from CaS is adsorbed in a quantity of 80-85%, whereas only 37-50% is adsorbed from CaCl_2. J. S. J. 15																			
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ROZANOV A.N.

"O vozmozhnosti odnovennoy parallel'noy ili poputnoy dobychi goryuchikh slantsev i fosforitov na obshchem syrte," p. 35

Goryuchiye Slantsy, No. 2-3, 1931

the bituminous shales in the mid Volga district. A. N. Rozanov. *Bituminous Shale and Its Tech. Utilization*. *Lenkhimsektor* (Leningrad) 1932, 20-44.-- Chemical analyses and geological formation of the shale are presented. A. A. Bochtlingk

NOZANOV, A.N. III

Vsesoyuznoye Soveshchaniye Po Geologo Razvedochnym Rabotam Na Ugli I
Goryuchiye Slantsy, Goryuchiye Slantsy, 1932, No 2,35

SC:

Goryuchiye Slantsy # 1934-35, TN .871
G .74

BOZANCY, A.N.

Vozmozhno Li Otkrytiye V Zavolzh' I K Severu III K Severo-Zapadu Ot
Obshchego Syrta Mestorozhdeniy Goryuchikh Slantsev Krupnogo Promyshlennogo
Znacheniya Goryuchiye Slantsy, 1932, No 5-6, 66

SC:

Goryuchiye Slantsy # 1934-35, TN .871
G .74

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Solonetz soils of the state farm Delve (Uzbekistan). S. A. Kudrin and A. N. Rozanov. <i>Pedology</i> (U. S. S. R.) 30, 371-91(1935).—Analyses—mech., chem. (total), and exchangeable bases—of a series of gray semi-desert soils in various stages of solonchicity are given. J. S. Joffe																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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The characteristics of sierozem (gray earths) containing a high content of exchangeable magnesium. S. A. Kudrin and A. N. Rozanov. <i>Pedology</i> (U. S. S. R : 1939, 8th Year English, No. 3) - Gray earths which formed directly on dolomitic parent material, on deluvium of dolomite or even on granites rich in Mg may have considerable Mg in the complex. In many cases the high Mg content is traced to the abundance of this element in the ground waters. The Mg-rich soil is poor in humus, poor in structure, of low porosity and has a compacted hard state when dry. Gypsum is a good anchorage agent. I. S. Iulle																																																																																																																																																																																																																																																																																																																																
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 5 (Tadzhikistan). S. A. Kudrin and A. N. Rozanov.
Pedology (U. S. S. R.) 1939, No. 2, 65-9. —On the basis
 of the total analyses and water exts. of a buried profile the
 authors designate the soil as a peat-swamp. It is con-
 cluded that at the time of its formation the region had a
 climate with a higher pptn. than it has now. The ac-
 cumulation of sulfate in the org. layer is of special interest.
 I. S. Joffe

ASH S.S.A. METEOROLOGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESS AND PROPERTIES INDEX																																																			
CA 15 The classification of salinized soils. E. N. Ivanova and A. N. Rozanov. <i>Pedology</i> (U. S. S. R.) 1939, No. 7, 44-50 (in English, 51-2).—The classification of the various types of solonchak and solonetz, based on the kinds of salts and the ratios of the various salts, are enumerated and discussed. I. S. Infe																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
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CA

Soda solonchik soils and the deterioration of soils of the Chu River valley. A. N. Rozynova. *Problemy Sirei Pishchevogo* 1939, No. 9, 10, 11. Khim. Referat. Zhur. 1940, No. 7, 8. Investigations of soils of the Chu River valley indicate that, in spite of the considerable amount of CaCO_3 and MgCO_3 , deterioration processes can take place in the extremely soda solonchik soils of central Asia. This is explained by the fact that the productive role of CaCO_3 and MgCO_3 with respect to the humate and silicate fractions of the absorbing complex is reduced to zero in the presence of exchange Na, owing to the considerable decrease in the soly. of CaCO_3 and MgCO_3 in alk. medium.

W. R. Henn

W. R. Henson

METALLURGICAL LITERATURE CLASSIFICATION

1st AND 2nd CHOICES

PROCESSES AND PROPERTIES INDEX

CA

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ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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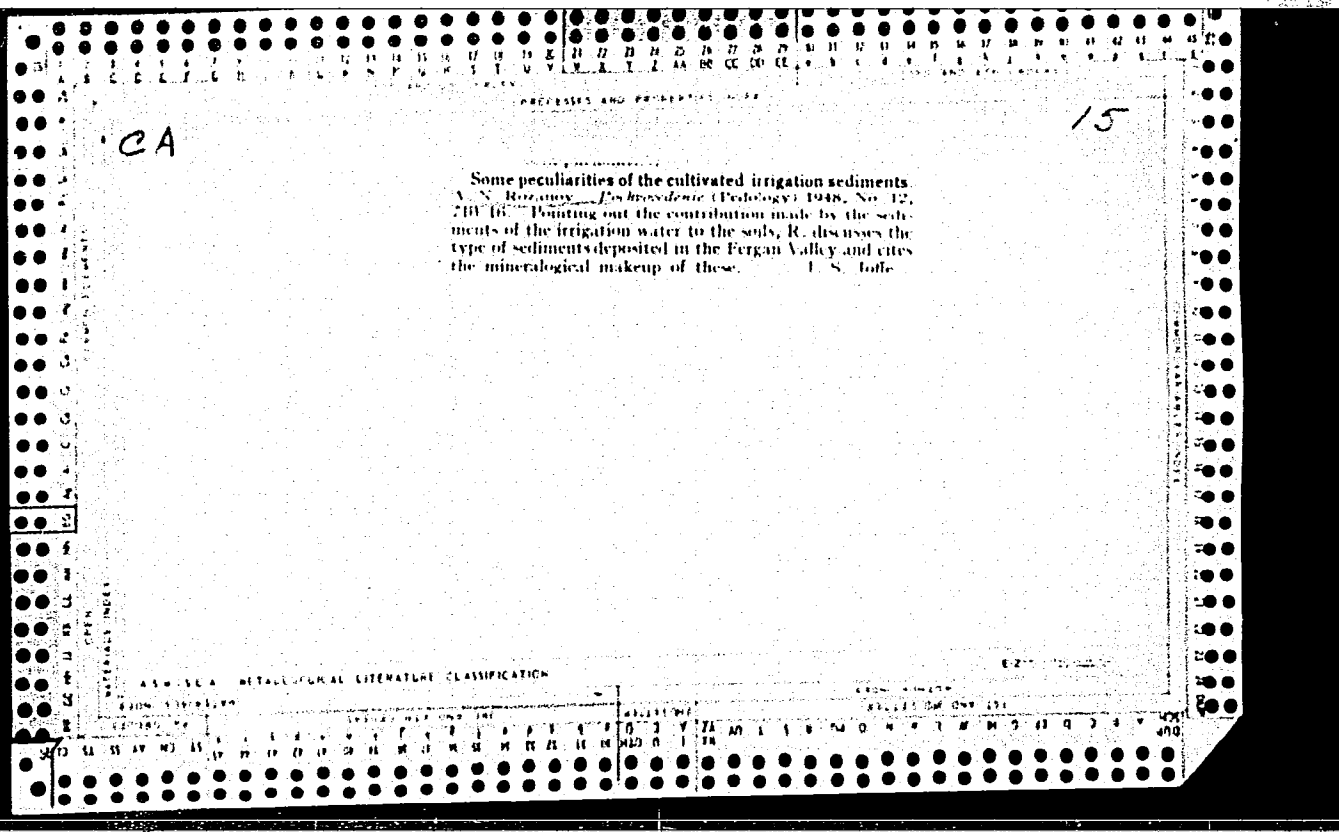
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